```
=> d his

     (FILE 'HOME' ENTERED AT 13:24:49 ON 28 OCT 1998)

     FILE 'REGISTRY' ENTERED AT 13:25:04 ON 28 OCT 1998
               E ETHOXYQUIN/CN
L1           1 S ETHOXYQUIN/CN

=> d

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 1998 ACS
RN   91-53-2  REGISTRY
CN   Quinoline, 6-ethoxy-1,2-dihydro-2,2,4-trimethyl- (8CI, 9CI)  (CA
     INDEX NAME)
OTHER NAMES:
CN   1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline
CN   2,2,4-Trimethyl-1,2-dihydro-6-ethoxyquinoline
CN   2,2,4-Trimethyl-6-ethoxy-1,2-dihydroquinoline
CN   Amea 100
CN   Antage AW
CN   Antioxidant EC
CN   Antox
CN   Aries Antox
CN   Dawe's nutrigard
CN   EMQ
CN   EQ
CN   Ethoxyquin
CN   Ethoxyquine
CN   Niflex
CN   Niflex D
CN   Nocrac AW
CN   Permanax 103
CN   Quinol ED
CN   Raluquin
CN   Santoflex A
CN   Santoflex AW
CN   Santoquin
CN   Santoquine
CN   Stop-Scald
FS   3D CONCORD
DR   8047-04-9, 8047-14-1
MF   C14 H19 N O
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
       CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST,
       CBNB, CIN, CSCHEM, CSNB, DETHERM*, DDFU, DRUGU, EMBASE, HODOC*,
       HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
       PIRA, PNI, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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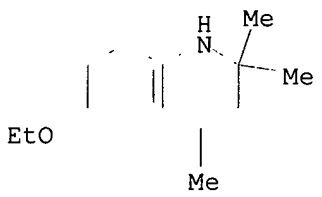
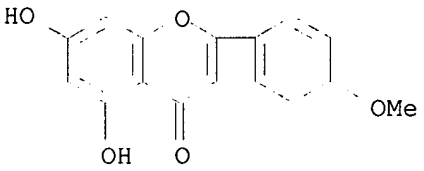


1010 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1010 REFERENCES IN FILE CAPLUS (1967 TO DATE)
41 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

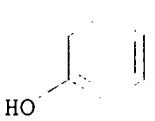
L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 480-44-4 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-2-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acacetin (6CI)
CN Flavone, 5,7-dihydroxy-4'-methoxy- (7CI, 8CI)
OTHER NAMES:
CN 4'-Methylapigenin
CN 4'-O-Methylapigenin
CN **5,7-Dihydroxy-4'-methoxyflavone**
CN Apigenin 4'-methyl ether
CN Buddleoflavonol
CN Linarigenin
CN LY 064233
FS 3D CONCORD
MF C16 H12 O5
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



419 REFERENCES IN FILE CA (1967 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
419 REFERENCES IN FILE CAPLUS (1967 TO DATE)
31 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 25013-16-5 REGISTRY
CN Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, tert-butyl-4-methoxy- (7CI, 8CI)
OTHER NAMES:
CN 2(3)-tert-Butyl-4-hydroxyanisole
CN Antioxyne B
CN BHA
CN BHA (antioxidant)
CN BOA
CN BOA (antioxidant)
CN Butylated hydroxyanisole
CN **Butylhydroxyanisole**
CN Embanox
CN Protex
CN Sustane 1F
CN Tenox BHA
CN tert-Butyl-4-hydroxyanisole
CN tert-Butyl-4-methoxyphenol
CN tert-Butyl-p-hydroxyanisole
CN tert-Butylhydroxyanisole
DR 8003-24-5, 8041-81-4, 9009-68-1, 1336-31-8, 56587-66-7, 57534-28-8, 37349-77-2
MF C11 H16 O2
CI IDS, COM
LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CBNB, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PNI, PROMT, RTECS*, TOXLINE, TOXLIT, TULSA, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



Positions are not indicated by applicant

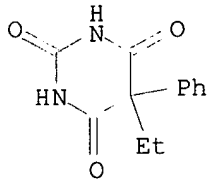
D1—Bu-t

2542 REFERENCES IN FILE CA (1967 TO DATE)
27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2544 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 50-06-6 REGISTRY
CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-ethyl-5-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Barbituric acid, 5-ethyl-5-phenyl- (8CI)
OTHER NAMES:
CN 5-Ethyl-5-phenylbarbituric acid
CN 5-Phenyl-5-ethylbarbituric acid
CN Adonal
CN Agrypnal
CN Amylofene
CN Barbenyl
CN Barbiphenyl
CN Barbipil
CN Barbita
CN Barbivis
CN Blu-phen
CN Cratecil
CN Dormiral
CN Doscalun
CN Duneryl
CN Eskabarb
CN Etilfen
CN Euneryl
CN Fenemal
CN Gardenal
CN Gardepanyl
CN Hysteps
CN Lepinal
CN Lepinaletten
CN Liquital
CN Lixophen
CN Lubergal
CN Luminal
CN Neurobarb
CN Noptil
CN Nunol
CN Phenaemal
CN Phenemal
CN Phenobar
CN **Phenobarbital**
CN Phenobarbitone
CN Phenobarbituric acid
CN Phenoluric
CN Phenonyl
CN Phenylethylbarbituric acid
CN Phenylethylmalonylurea
CN Phenyral
CN Phob
CN Sedonal
CN Sedophen
CN Sevenal
CN Somonal
CN Stental Extentabs

CN Teolaxin
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY
FS 3D CONCORD
DR 11097-06-6, 46755-67-3
MF C12 H12 N2 O3
CI COM
LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CBNB, CIN, CSCHEM, CSNB, DETHERM*, DDFU, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PNI, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

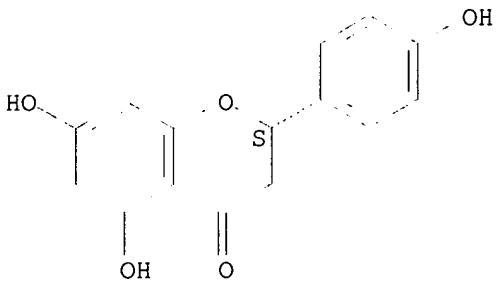


11142 REFERENCES IN FILE CA (1967 TO DATE)
65 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11144 REFERENCES IN FILE CAPLUS (1967 TO DATE)
95 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 480-41-1 REGISTRY
CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-, (2S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-, (S)-
CN Flavanone, 4',5,7-trihydroxy- (8CI)
CN **Naringenin (6CI)**
OTHER NAMES:
CN (-)-(2S)-Naringenin
CN (-)-Naringenin
CN (2S)-Naringenin
CN (S)-Naringenin
CN Naringenine
CN Naringetol
CN Salipurol
CN Salipurpol
FS STEREOSEARCH
DR 13308-00-4, 15912-71-7
MF C15 H12 O5
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CBNB, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PIRA, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

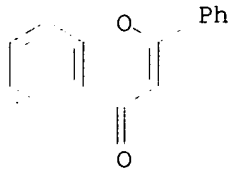
Absolute stereochemistry.



1006 REFERENCES IN FILE CA (1967 TO DATE)
15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1006 REFERENCES IN FILE CAPLUS (1967 TO DATE)
48 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

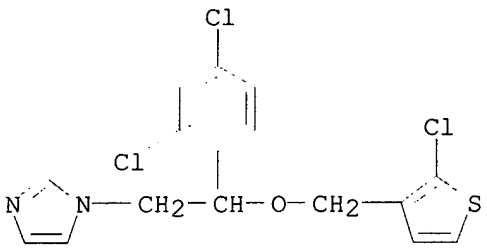
L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 525-82-6 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Flavone (6CI, 8CI)**
OTHER NAMES:
CN 2-Phenyl-.gamma.-benzopyrone
CN 2-Phenyl-4-chromone
CN 2-Phenyl-4H-benzopyran-4-one
CN 2-Phenylchromone
CN Asmacoril
CN Chromocor
CN Cromaril
CN DA 6034
FS 3D CONCORD
DR 11091-19-3
MF C15 H10 O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, TULSA, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



823 REFERENCES IN FILE CA (1967 TO DATE)
51 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
825 REFERENCES IN FILE CAPLUS (1967 TO DATE)
30 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 65899-73-2 REGISTRY
CN 1H-Imidazole, 1-[2-[(2-chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (.+-.)-Tioconazole
CN **Tioconazole**
FS 3D CONCORD
DR 144025-07-0
MF C16 H13 Cl3 N2 O S
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAPLUS, CHEMLIST, CBNB, CIN, CSCHEM, CSNB, DDFU, DRUGPAT, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, PHAR, PNI, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

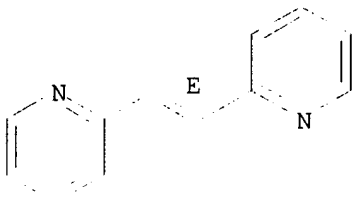


152 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
152 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 13341-40-7 REGISTRY
CN Pyridine, 2,2'-(1E)-1,2-ethenediylbis- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyridine, 2,2'-(1,2-ethenediyl)bis-, (E)-
CN Pyridine, 2,2'-vinylenedi-, (E)- (8CI)
OTHER NAMES:
CN (E)-2,2'-Bis(pyridyl)ethylene
CN (E)-Bis(2-pyridyl)ethene
CN **trans-1,2-Bis(2-pyridyl)ethylene**
FS STEREOSEARCH
MF C12 H10 N2
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMINFORMRX, GMELIN*, SPECINFO, TOXLIT
(*File contains numerically searchable property data)

Double bond geometry as shown.



50 REFERENCES IN FILE CA (1967 TO DATE)
50 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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=> s "4',7-isoflavandiol"/cn

L9          1 "4',7-ISOFLAVANDIOL"/CN

=> d


L9   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 1998 ACS
RN   531-95-3  REGISTRY
CN   2H-1-Benzopyran-7-ol, 3,4-dihydro-3-(4-hydroxyphenyl)-, (3S)- (9CI)
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   2H-1-Benzopyran-7-ol, 3,4-dihydro-3-(4-hydroxyphenyl)-, (S)-
CN   4',7-Isoflavandiol (6CI, 7CI, 8CI)
OTHER NAMES:
CN   (-)-Equol
CN   (S)-(-)-4',7-Isoflavandiol
CN   4',7-Dihydroxyisoflavan
CN   Equol
CN   Equol, (-)-
FS   STEREOSEARCH
DR   20879-01-0
MF   C15 H14 O3
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
       CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM,
       DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT,
       TOXLINE, TOXLIT, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.
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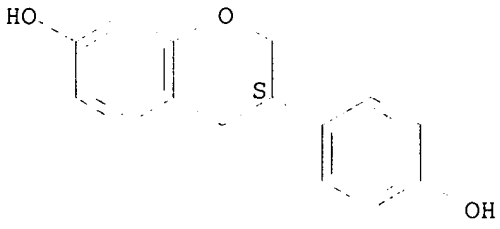


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            120 REFERENCES IN FILE CA (1967 TO DATE)
              3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            120 REFERENCES IN FILE CAPLUS (1967 TO DATE)
             11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
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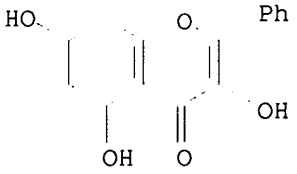
=> d

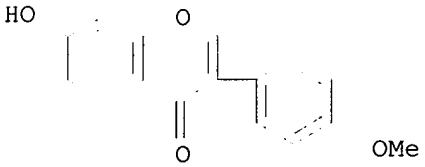
L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 548-83-4 REGISTRY
CN 4H-1-Benzopyran-4-one, 3,5,7-trihydroxy-2-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,5,7-trihydroxy- (7CI, 8CI)
CN **Galangin (6CI)**
OTHER NAMES:
CN 3,5,7-Trihydroxyflavone
CN Norizalpinin
FS 3D CONCORD
DR 50306-94-0
MF C15 H10 O5
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, RTECS*, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



403 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
403 REFERENCES IN FILE CAPLUS (1967 TO DATE)
20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

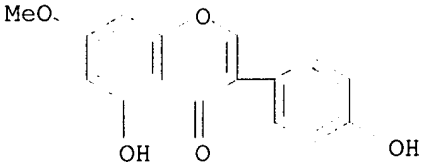
L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 485-72-3 REGISTRY
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Formononetin (6CI)
CN Isoflavone, 7-hydroxy-4'-methoxy- (8CI)
OTHER NAMES:
CN **7-Hydroxy-4'-methoxyisoflavone**
CN Biochanin B
CN Daidzein 4'-methyl ether
CN Formononetol
FS 3D CONCORD
MF C16 H12 O4
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



533 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
535 REFERENCES IN FILE CAPLUS (1967 TO DATE)
38 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

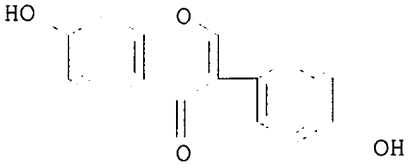
L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 552-59-0 REGISTRY
CN 4H-1-Benzopyran-4-one, 5-hydroxy-3-(4-hydroxyphenyl)-7-methoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Isoflavone, 4',5-dihydroxy-7-methoxy- (7CI, 8CI)
CN Prunetin (6CI)
OTHER NAMES:
CN **5,4'-Dihydroxy-7-methoxyisoflavone**
FS 3D CONCORD
MF C16 H12 O5
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IPA, MEDLINE, MRCK*, NAPRALERT, RTECS*, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



61 REFERENCES IN FILE CA (1967 TO DATE)
62 REFERENCES IN FILE CAPLUS (1967 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
RN 486-66-8 REGISTRY
CN 4H-1-Benzopyran-4-one, 7-hydroxy-3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Daidzein (6CI)**
CN Isoflavone, 4',7-dihydroxy- (8CI)
OTHER NAMES:
CN 4',7-Dihydroxyisoflavone
CN 7,4'-Dihydroxyisoflavone
CN 7-Hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one
CN Daidzeol
CN K 251b
CN NPI 031E
FS 3D CONCORD
MF C15 H10 O4
CI COM
LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, DRUGUPDATES, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



732 REFERENCES IN FILE CA (1967 TO DATE)
12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
733 REFERENCES IN FILE CAPLUS (1967 TO DATE)
24 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> log hol

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	70.12	70.27

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:42:40 ON 28 OCT 1998

PICTURES OF COMPOUNDS